

Issuance Date: 2/6/87  
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02/06/88

*file  
Lone Star  
concrete*

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# WASTE DISCHARGE PERMIT

Municipality of Metropolitan Seattle (Metro)

821 Second Avenue

Seattle, Washington 98104

In Accordance with the Provisions  
of Chapter 90.48 RCW as Amended,  
Public Law 92-500 and Metro  
Resolution 3374, a Waste  
Discharge Permit is  
Issued To:

Pioneer Construction Materials Company  
PO Box 1730  
Seattle, Washington 98111

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Plant Location: 5975 East Marginal Way South  
Seattle, Washington 98134

Discharge To: West Point Treatment Plant via (Emergency Phone No. 684-1800)  
via Municipal Sewer System

Industry Type: Ready-mix Concrete Production, Sand and Gravel Storage  
and Sales

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PIONEER CONSTRUCTION MATERIALS COMPANY is Authorized to Discharge in Accordance  
with the Special Conditions and General Conditions which Follow.

  
John B. Lampe, Superintendent  
Water Quality Division  
Municipality of Metropolitan Seattle

USEPA SF



1270089

# SPECIAL CONDITIONS

## S1. VOLUME LIMITATIONS

- A. Waste from the permittee's industrial operations located at 5975 East Marginal Way South, Seattle, Washington totalling not more than 48,000 gallons per day (see Condition S15.), may be discharged to the municipal sanitary sewer system in the following quantities:

<u>TYPE</u>	<u>QUANTITY (GPD)</u>
Process Wastewater	27,975
Sanitary Wastewater	4,025
Ponded Contaminated Stormwater	See Cond. S15.

- B. The word "waste" in the above statement refers to the total volume of contaminated waters to be discharged to the sanitary sewer.

## S2. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Industrial Wastewater

During the period beginning on the date of issuance of this permit and lasting through February 6, 1988 the permittee is authorized to discharge to the sanitary sewer system subject to the following limitations and monitoring requirements:

PARAMETER	EFFLUENT LIMITATIONS	MONITORING REQUIREMENTS	
	<u>Daily Max.</u>	<u>Min. Freq.</u>	<u>Sample Type</u>
Flow	See Cond. S7.-H	Continuous	Meter
Total Oils & Grease	100 mg/l	N/A	N/A
Settleable Solids	7 ml/l	N/A	N/A
pH (range)	5.5-12.5	3 times during each day of discharge.	Grab

\*The daily maximum is defined as the greatest allowable value or permissible range for any calendar day.

### B. Compliance Monitoring

In the event the daily maximum (permissible range) for the pH parameter is exceeded, enforcement action shall be predicated upon the arithmetic mean of pH's of at least eight consecutive measurements taken at intervals of 15 minutes or greater. However, the pH of any single measurement shall not be less than 5.0 or greater than 12.5. FOG limits shall be based upon at least three grab samples taken no more frequently than at 5-minute intervals. A review of any violations will include consideration of testing accuracy prior to any enforcement action.

S3. MONITORING AND REPORTING

The permittee shall monitor their discharge to the municipal sanitary sewer. It shall be the responsibility of the permittee to take whatever steps are necessary to ensure discharge requirements are met. All records required by the permit shall be available for review at reasonable times by authorized personnel of the Municipality of Metropolitan Seattle.

A. Recording of Results

For each measurement or sample taken to comply with this permit, the permittee shall record the following information:

- 1) the date, exact place and time of sampling;
- 2) The dates the analyses were performed;
- 3) the person who performed the analyses;
- 4) the analytical techniques or methods used;
- 5) the results of all analyses.

B. Record Retention

Records of all such testing shall be retained for a period of three (3) years unless litigation or the direction of the Executive Director requires an extension of that time.

C. Representative Sampling

Samples and measurements taken to meet the requirements of this condition shall be representative of the volume and nature of the monitored discharge.

D. Test Procedures

All analyses shall be performed in accordance with procedures established by the Administrator of EPA pursuant to Section 304(g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedures approved by the Administrator. Where 40 CFR Part 136 does not include a sampling or analytical technique for the pollutant in question, sampling and analyses shall be performed in accordance with the procedures set forth in the EPA publication entitled "Sampling and Analysis Procedures for Screening of Industrial Effluents or Priority Pollutants, April, 1977," and amendments thereto, or with any other sampling and analytical procedures approved by the Administrator.

#### E. Falsifying Information

The act of knowingly falsifying, tampering with, or knowingly rendering inaccurate any monitoring device, report or method required pursuant to a Pretreatment Standard, Resolution 3374, or special condition of this permit shall constitute a violation of this permit, and shall be subject to the legal remedies available under Section 6-06 and Section 13 of Resolution 3374.

#### F. Reporting Waste Hauling

For all liquid wastes and sludges removed from the permittee's operation located at 5975 East Marginal Way South, Seattle, Washington 98134 by the permittee or waste disposal companies, the permittee shall record and retain for a period of three (3) years:

- (1) the chemical name and trade name of the substance if the constituents are not known;
- (2) the volume of each substance;
- (3) the date it was hauled away;
- (4) the name and waste hauler; and
- (5) the receipt from the waste hauler.

S4. SELF-MONITORING AND ANALYSES AND REPORTING

- A. Laboratory analysis results generated to satisfy Conditions S2. and S5.-C. of this permit and descriptions of remedial actions taken to satisfy Condition S5. of this permit shall be submitted to the Metro Industrial Waste Section on a monthly basis. *15th Month Rep.*
- B. Monitoring results obtained during the previous month shall be summarized and reported on a Discharge Monitoring Report submitted no later than the 15th day of the month following the completed reporting period. This reporting function shall begin upon receipt and acceptance of this permit; monitoring shall extend for the duration of this permit. The Report shall be sent to the Industrial Waste Section of Metro. Monitoring shall be maintained for the duration of this permit.

S5. PERMITTEE'S CORRECTIVE ACTION

- A. If self-monitoring analyses for the pH parameter of the permittee's industrial discharge discloses a violation of a Metro discharge limitation or condition of this permit, the permittee shall:
1. Immediately suspend process wastewater and contaminated stormwater discharge to the municipal sewer upon determination that non-compliance exists;
  2. Initiate action to correct the violating condition;
  3. Resume industrial discharge following initial self-monitoring indications that the remedial measures have corrected the situation of non-compliance;
  4. Collect and analyze a representative sample of industrial discharge no later than four (4) hours after resumption of industrial discharge to determine if Metro discharge limits are being met on a consistent basis.
- B. If, despite corrective actions undertaken by the permittee, the permittee's industrial discharge continues to be in violation of a Metro discharge limitation or condition of this permit, the permittee shall again cease such industrial discharge. Discharge of industrial waste to the municipal sewer shall be resumed only after consultation with staff of the Metro Industrial Waste Section and subsequent approval from Metro staff to resume industrial discharge.
- C. A brief description of corrective actions undertaken and a report of resampling analyses, described in this Condition, shall be included in the appropriate Discharge Monitoring Report. See Condition S6.

## S6. REPORTS OF DISCHARGE VIOLATIONS

All discharge violations, whether detected by the permittee's self-monitoring information or Metro compliance monitoring data, shall be responded to in writing by the permittee within fourteen (14) calendar days of the time such violation was known by the permittee. This report shall include:

- A. The reasons or causes of the violation, if determinable;
- B. The corrective action, as required, to respond to rectification of the violation.
- C. The proposed schedule for preventing a recurrence of the violating condition and for attaining consistent compliance, specifying the plan of action with steps and their completion date.

## S7. GENERAL OPERATIONS

- A. Contaminated waters or wastes shall not be discharged to waters of the State.
- B. Boiler blow down and cooling tower water shall be discharged to the sanitary sewer.
- C. The permittee's discharge into the sanitary sewer shall not:
  - 1. Cause any operational or maintenance difficulties, or;
  - 2. Endanger City of Seattle or Metro utility operational or maintenance personnel.
- D. No deposition of sand, aggregate, cement or other obstructive solid material in the municipal sewer shall result from discharge from Pioneer Construction Materials Company.
- E. Should any operational difficulties occur in the municipal treatment works attributable to sewer discharge from the permittee, then the permittee shall immediately cease discharge upon notification from authorized Metro or City of Seattle Engineering Department personnel.
- F. The permittee shall use spill prevention practices to preclude the discharge of liquids, solids, or gases, which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosions. At no time shall two successive readings on an explosion hazard meter at the point of discharge into the municipal sewer system (or at any point in the system) be more than five percent (5%) nor any single reading over ten percent (10%) of the lower explosive limit. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene.

- G. The permittee shall not discharge any toxic or hazardous material to the municipal sewer system. Toxic or hazardous material shall be defined as any material or combination of materials which pose a substantial present or potential hazard to human health or the environment because such material or materials are non-degradable or persistent in nature, can be biologically magnified, can be lethal, or may otherwise cause or tend to cause detrimental and cumulative effects. The permittee shall also comply with all appropriate and applicable Washington state regulations concerning hazardous and toxic wastes, specifically WAC.173-303.
- H. All contaminated industrial waste waters shall pass through a sewer meter approved by the City of Seattle Engineering Department. This meter shall be maintained for the purpose of assessing sewer charges and ensuring that daily discharge volume limitations of this permit are being complied with.
- I. The effluent limitations specified in condition S2. are to be met by treatment of the wastes for pollutant removal. The use of water or other materials including other waste products for the purposes of diluting a waste to achieve those limitations is not permitted.

S8. OPERATIONS AND MAINTENANCE - PROCESSING

Waste generation abatement practices shall be used to reduce or eliminate contaminate loading to the municipal sewer system. In addition, the following practices shall be used:

- A. A sampling site shall be maintained to monitor and collect an adequate sample of all of the industrial effluent.
- B. Unobstructed access to sample sites shall be available to authorized Metro personnel during normal operating hours. The permittee shall be responsible for providing alternate sample sites in the event of access obstruction or upon evidence of monitoring equipment molestation.
- C. All drains to the sanitary sewer are to be fitted with covers or served by screening devices which have openings not larger than 1/4-inch in diameter.
- D. All washdown of truck and equipment exteriors and mixer drum interiors shall be conducted on the wash rack drainage slabs and all washwaters shall be discharged to the aggregate recovery ramp and/or the waste treatment settling basins.

S9. OPERATIONS AND MAINTENANCE-WASTEWATER PRETREATMENT

- A. The permittee shall make the process changes required and/or install whatever pretreatment equipment that is deemed necessary by Metro to meet the discharge conditions of this permit.

- B. Final design and construction plans for all major waste treatment systems shall be submitted to the Metro Industrial Waste Section and the Department of Ecology-Northwest Regional Office, for review and approval prior to initiation of construction. All waste treatment systems must be inspected and approved by the Metro Industrial Waste Section and the Department of Ecology-Northwest Regional Office before discharge of these systems to the municipal sanitary sewer commences.
- C. All batch plant washdown water and adjacent surface drainage shall be discharged to the waste treatment settling basins.
- D. Settling basins shall not be allowed to be filled with sediment to over one-half of their capacity.
- E. Only settled, clear waters complying with the permit's pH limitations will be pumped into the municipal sewer.

#### S10. OPERATIONS AND MAINTENANCE - STORAGE

Solid chemicals, chemical solutions, waste materials, oils and solvents shall be stored in a manner which will prevent the inadvertent entry of these materials into the municipal sewer system or State waters, and in a manner that will prevent spillage by overfilling, tipping or rupture. In addition, the following practices shall be used:

- A. All barrels containing oils, waste oils, setting agents, air-entraining agents or other chemicals shall be stored in a manner which will prevent possible spills and contaminated run-off from entering waste treatment settlement basins or flow overland to State waters.
- B. Noncompatible chemicals shall be segregated and securely stored in separate containment areas that prevent mixing of incompatible or reactive materials.
- C. In the event of a concentrated solution spill such as tank failure, the permittee shall not discharge any spilled solution to the municipal sewer system unless laboratory test results indicate that the substance meets the conditions of this permit. The permittee shall receive approval from the Metro Industrial Waste Section prior to any discharge of spilled solutions.
- D. Concentrated waste or spilled chemicals shall be transported offsite for disposal at a facility approved by the Department of Ecology or appropriate County Health Department. These materials shall not be discharged to any sewer or any State waters.

S11. SOLID WASTE DISPOSAL

- A. The permittee shall handle and dispose of all solid waste material in such a manner as to prevent their entry into waters of the State or the sanitary sewer system.
- B. The permittee shall not permit leachate from its solid waste material to cause any adverse effect on ground or surface water quality.
- C. All covers, screening devices, sumps, hoppers, conveyors and other facilities provided for the recovery and handling of waste solids are to be maintained in an efficient operating condition.
- D. Sediment shall be deposited in approved areas or removed from the plant to a proper disposal area.

S12. EMERGENCY NOTIFICATION

- A. In the event of a petroleum or other hazardous material spill that reaches the sewer system, this office and the West Point Treatment Plant shall be notified immediately.

- \* Metro's Industrial Waste Section:  
Working Hours - 7:30 a.m. to 4:00 p.m.,  
Monday - Friday  
Phone Number - 684-2341

- \* West Point Treatment Plant  
Working hours - 24 hours  
Phone Number - 684-1800

- B. In the event a spill of petroleum or other hazardous material reaches a storm sewer or waters of the state, the Department of Ecology shall be notified immediately.

- \* State of Washington, Department of Ecology  
Working Hours - 24 hours  
Phone Number - (206) 885-1900

S13. APPLICABILITY

- A. All requirements and ordinances of Metro, pertaining to the discharge of wastes into the municipal sewer system, are hereby made a condition of this permit.
- B. All requirements and ordinances of the Environmental Protection Agency and the Department of Ecology pertaining to hazardous and toxic wastes, disposal facilities, and discharge of wastes into the municipal sewer system, are hereby made a condition of this permit.

S14. REDUCTION OF STORMWATER DISCHARGE

During the active period of this permit, Pioneer Construction Materials Company shall undertake an engineering study, the purpose of which shall be to determine what operational modifications and/or physical premises changes will be implemented to significantly reduce the amount of contaminated stormwater discharged to the municipal sewer system. A report on this study, containing recommendations intended for expeditious implementation, shall be submitted to Metro for its review and approval at least ninety (90) days prior to expiration of this permit.

S15. DISCHARGE OF CONTAMINATED STORMWATER

The permittee is authorized to discharge up to 48,000 gallons per day of combined process wastewater and ponded contaminated stormwater to the municipal sewer without prior notice to or approval from Metro, so long as this discharge does not violate any portion of Condition S1.-A. If the permittee finds it necessary to exceed this daily maximum discharge volume, due to accumulation of contaminated stormwater on its premises, they must contact Metro's West Point Treatment Plant - Operations (phone 684-1801) and secure approval before release of either combined process wastewater/contaminated stormwater or contaminated stormwater in excess of this limitation. Under no circumstances shall any discharge from the permitted facility exceed 60,000 gallons per day.

## GENERAL CONDITIONS

1. All discharges and activities authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute violation of the terms and conditions of this permit. Whenever the permittee refuses to take corrective action or continues the violating condition, the imposition of civil penalties and/or termination of this permit may result. Termination of this permit may require disposal of the industrial waste in some manner other than into the public sewer, private sewer, or side sewer tributary to the municipal sewer system at the expense of the person holding the permit.
2. Any facility changes which will result in a significant change in character of volume of pollutants discharged to the municipal sewer system must be reported to the permit authority. No change shall be made until plans have been approved and a new or modified permit has been issued. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.
3. the diversion or bypass of any discharge from any pretreatment facility utilized by the permittee to maintain compliance with the terms of this permit is prohibited except where unavoidable to prevent loss of life or severe property damage. The procedure outlined in paragraph #4 shall be followed in case of such a diversion or bypass.
4. In the event the permittee is unable to comply with any of the conditions of this permit because of a breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature, the permittee shall:
  - (a) take immediate action to stop, contain and cleanup the unauthorized discharges and correct the problem.
  - (b) immediately notify the Municipality of Metropolitan Seattle so steps can be taken to prevent damage to the sewerage system.
  - (c) submit a written report describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent a recurrence.

Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit or the resulting liability for failure to comply.

5. The permittee shall adequately maintain and efficiently operate all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.
6. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
  - (a) violation of any terms or conditions of this permit;
  - (b) obtaining this permit by misrepresentation or failure to fully disclose all relevant facts; or
  - (c) a change in any condition that requires a temporary or permanent reduction or elimination or permanent discharge.
7. The permittee shall, at all reasonable times, allow authorized representatives of the Municipality of Metropolitan Seattle:
  - (a) to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this permit;
  - (b) to inspect any monitoring equipment or monitoring methods required by this permit; or
  - (c) to sample any discharge of pollutants.
8. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307 (a) of the Federal Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit, the permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee shall be so notified. Section 307 (a) requires that the Administrator of the Environmental Protection Agency shall promulgate effluent standards (or prohibition) for toxic pollutants which he has listed as such.
9. Nothing in this permit shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.
10. This permit does not constitute authority for discharge into waters of the state. Any such discharge is subject to enforcement action by the Department of Ecology.